FIG. 1

14 — 1/2 — 8 — 6 MOST LIKELY — 24

511x64 TAPS

16₁

| 1 | 2 | 3 | 4 | 5 | 6 |

18

20

22 — 511x64 TAPS

16₂ — 6 MOST LIKELY — 28

| 7 | 8 | 9 | 10 | 11 | 12 |

10

26 — 511x64 TAPS

16₃ — 5 MOST LIKELY — 32

| 13 | 14 | 15 | 16 | 11 | 17 |

12

30 — 511x64 TAPS

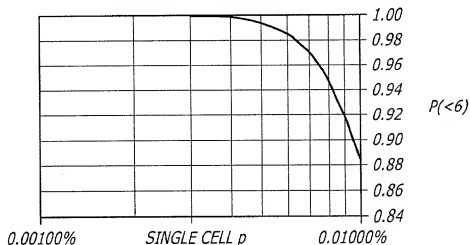16₄ — 5 MOST LIKELY — 34

| 18 | 19 | 20 | 21 | 11 | 22 |

DETECTION

PROBABILITY THAT LESS THAN 6 NOISE
HITS (OUT OF 32k) ARE LARGER THAN
THE SIGNAL AS A FUNCTION OF THE
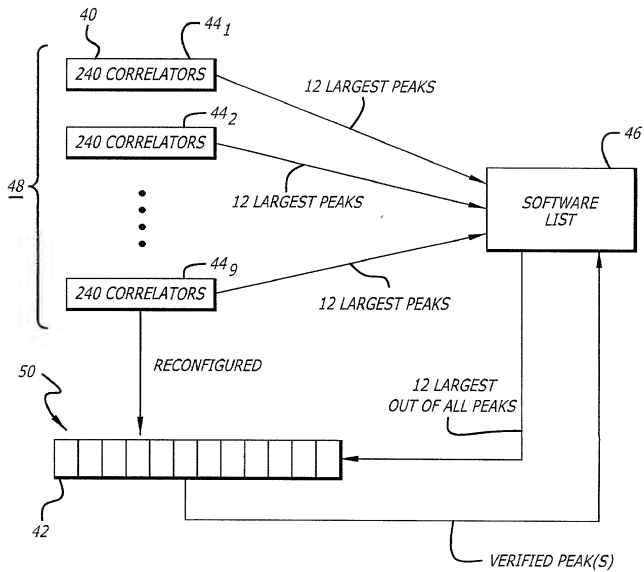SINGLE CELL PROBABILITY

FIG. 2

1.00
0.98
0.96
0.94
0.92 P(<6)
0.90
0.88
0.86
0.84

0.00100%   SINGLE CELL p   0.01000%

FIG. 3